**Aufgabe 7-4:**

a) (define mysq (lambda (x) (\* x x)))

(mysq 8)

*CONST, APP*

* (\* 8 8)   
  *PRIM*
* 64

b) (define x 5)

(define f (lambda (y) (local [(define x 3)] (+ x y))))

(f 3)

*CONST, APP*

* (local [(define x 3)] (+ x 3))  
  *LOCAL*
* (define x\_0 3)

(+ x\_0 3)  
*PROG, CONST*

* (+ 3 3)  
  *PRIM*
* 6

c) (define addX (lambda (x)

(local [(define y (lambda (y) (+ x y)))] y)))

((addX 5) 3)

*CONST, APP, KONG*

* ((local [(define y (lambda (y) (+ 5 y)))] y) 3)  
  *LOCAL*
* (define y\_0 (lambda (y) (+ 5 y)))

(y\_0 3)  
*PROG, CONST*

* ((lambda (y) (+ 5 y)) 3)  
  *APP, KONG*
* (+ 5 3)  
  *PRIM*
* 8